

**Nokia Customer Care**

# ***Service Manual***

**RM-429 (Nokia 3610 fold)**

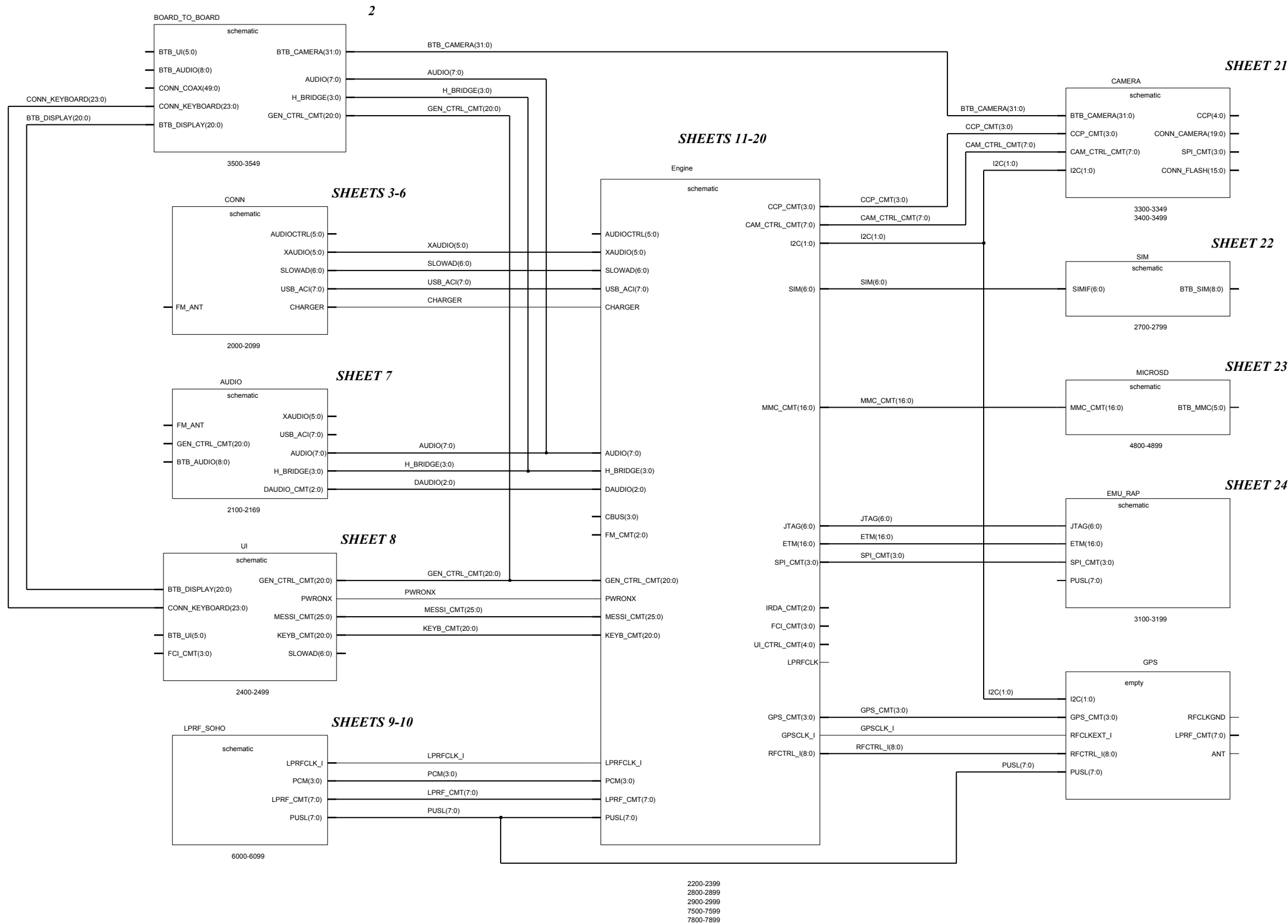
## **Schematics**

***Part No: (Issue 1)***

***COMPANY CONFIDENTIAL***



# MAIN BOARD TOP LEVEL

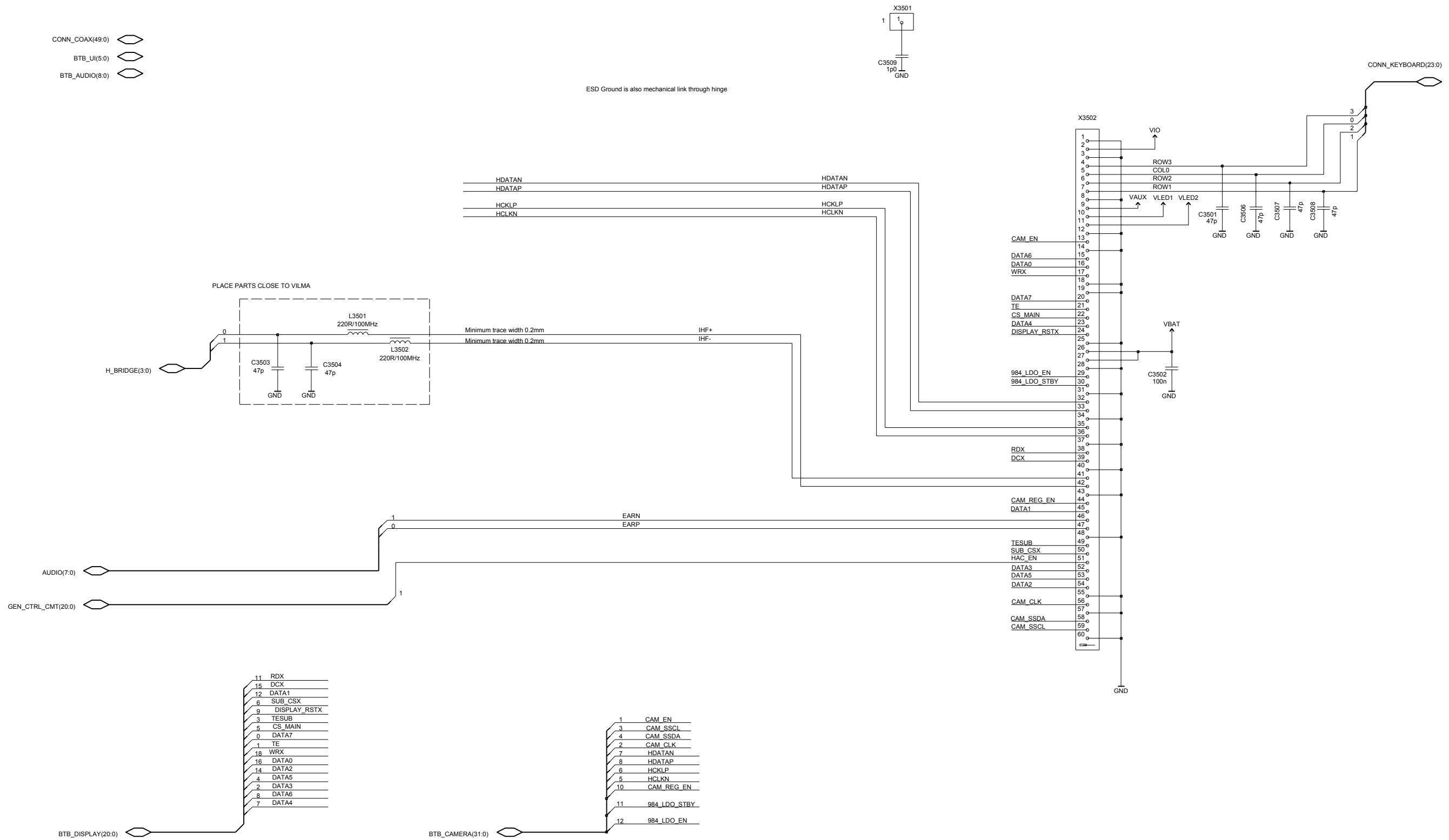


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Name TOP LEVEL - MAIN BOARD

## B2B CONNECTOR



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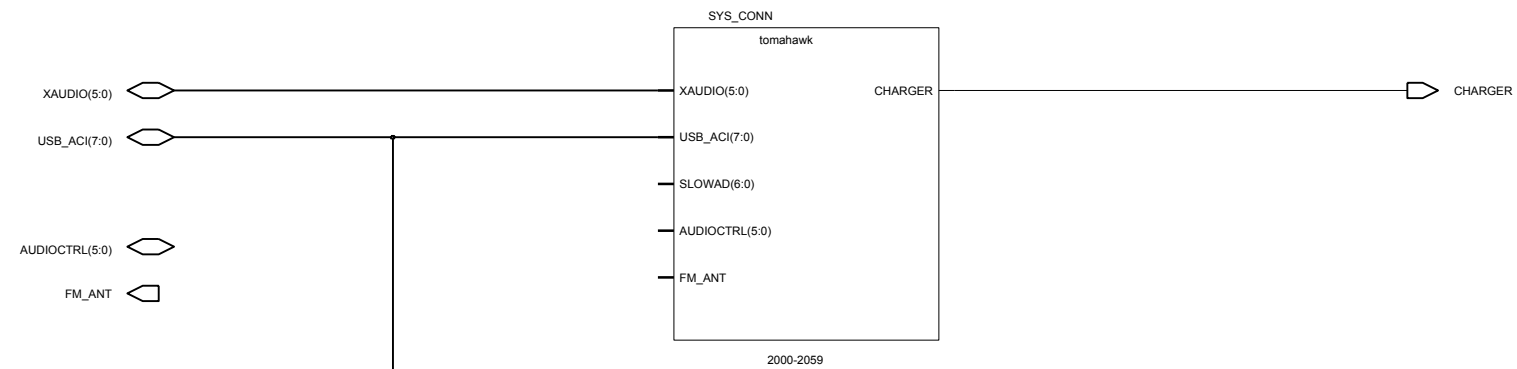
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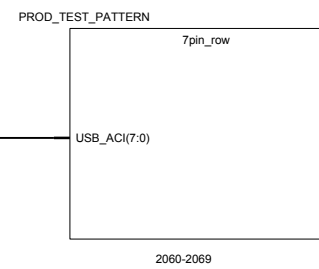
Name	BTB CONNECTOR INTERFACE
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# CONNECTORS

***SHEET 4***



***SHEET 5***



***SHEET 6***



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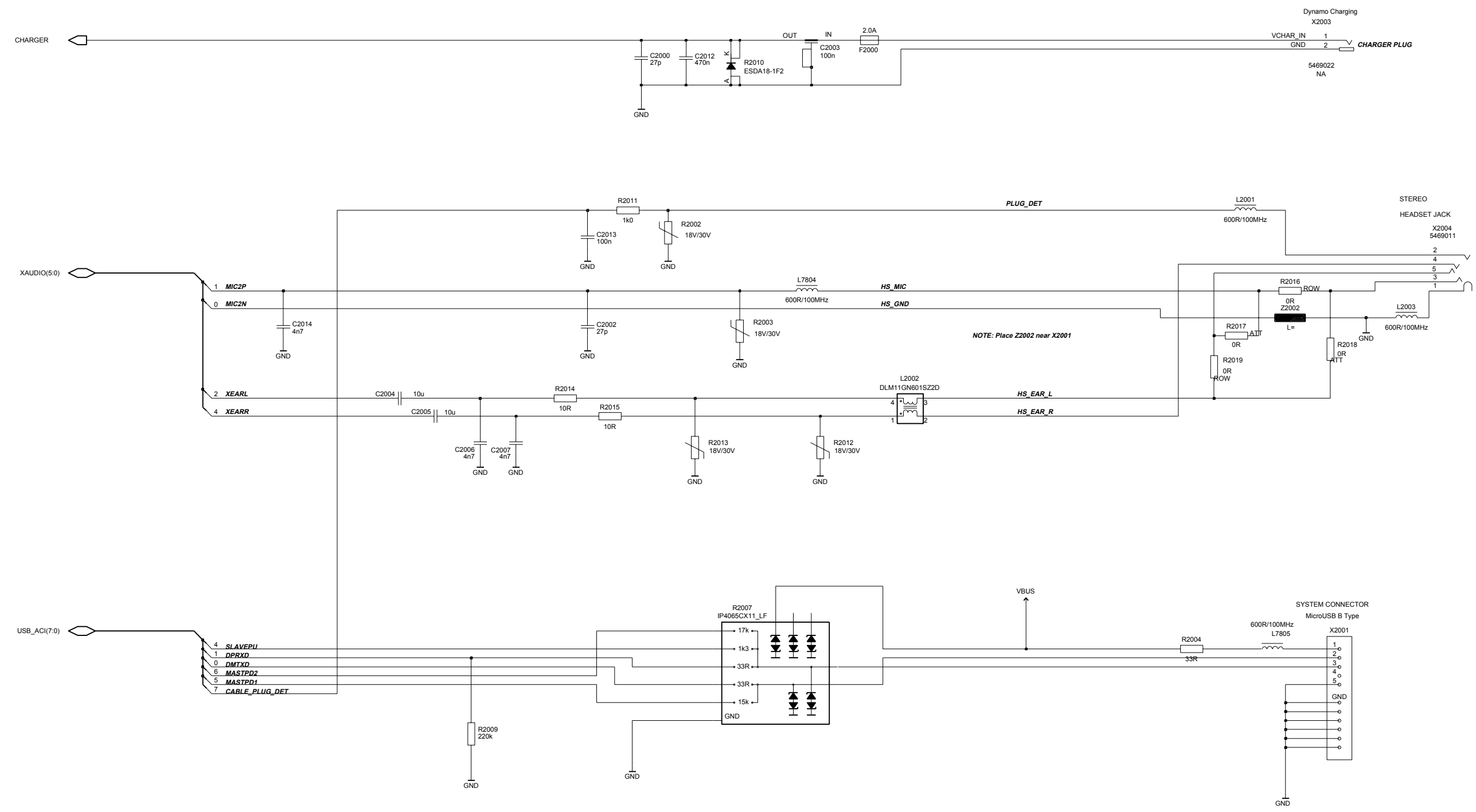


Name	CONNECTORS
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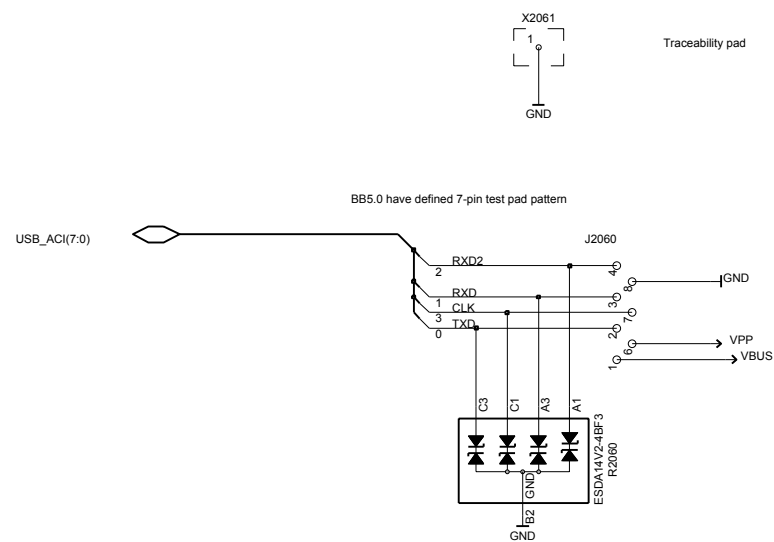
# SYSTEM CONNECTORS

## DYNAMO, UHJ AND MICRO USB CONNECTORS

AUDIOCTRL(5:0)   
FM\_ANT   
SLOWAD(6:0) 



# PRODUCTION TEST PATTERNS

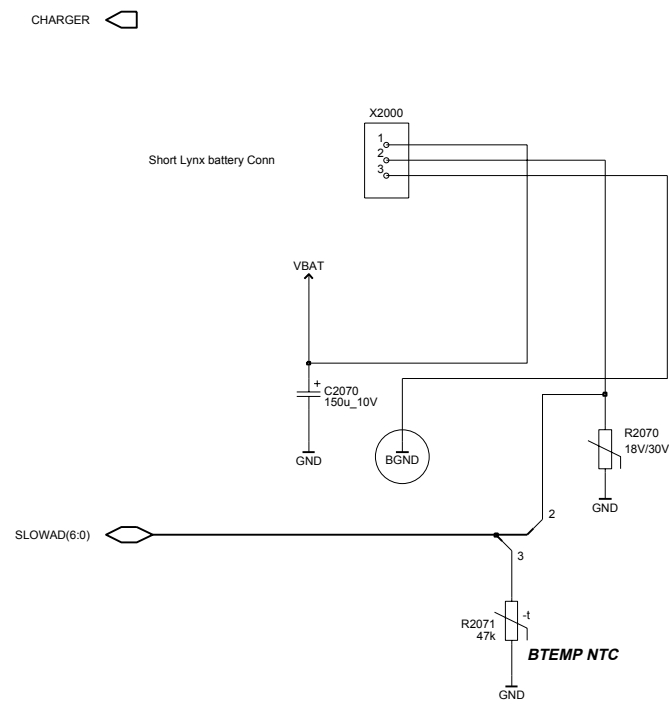


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Name Production test pattern

# BATTERY CONNECTOR



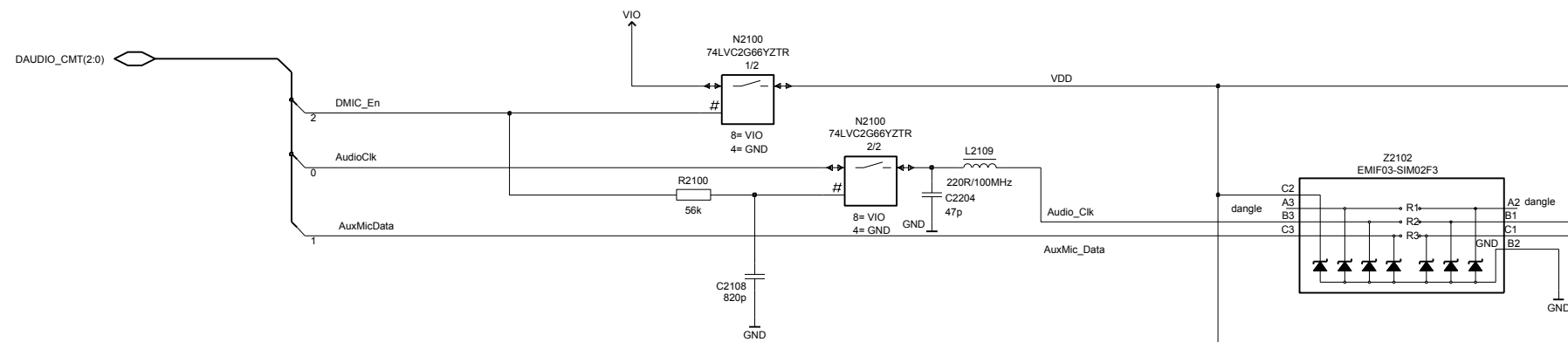
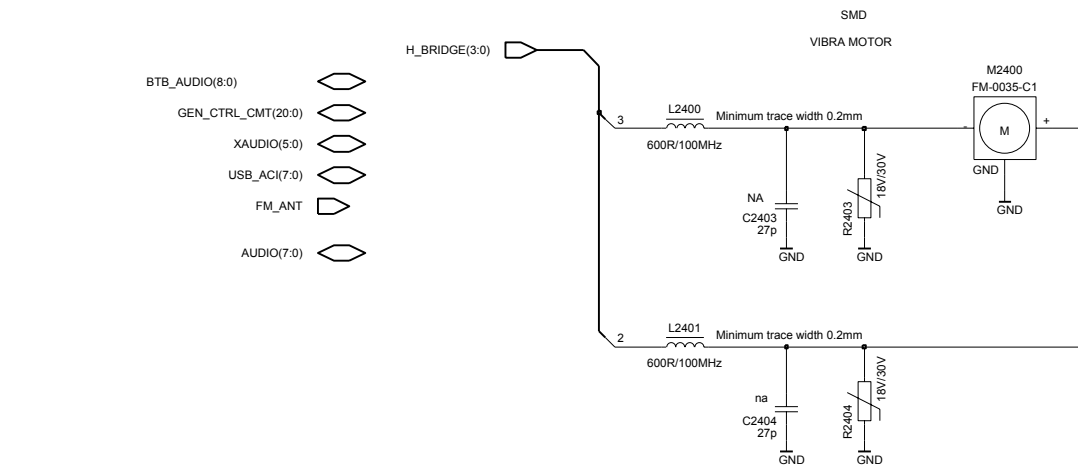
**R2070 IS NEEDED IF VILMA IS FAR FROM BATTERY CONNECTOR  
PLACE R2070 NEAR BATTERY CONNECTOR**

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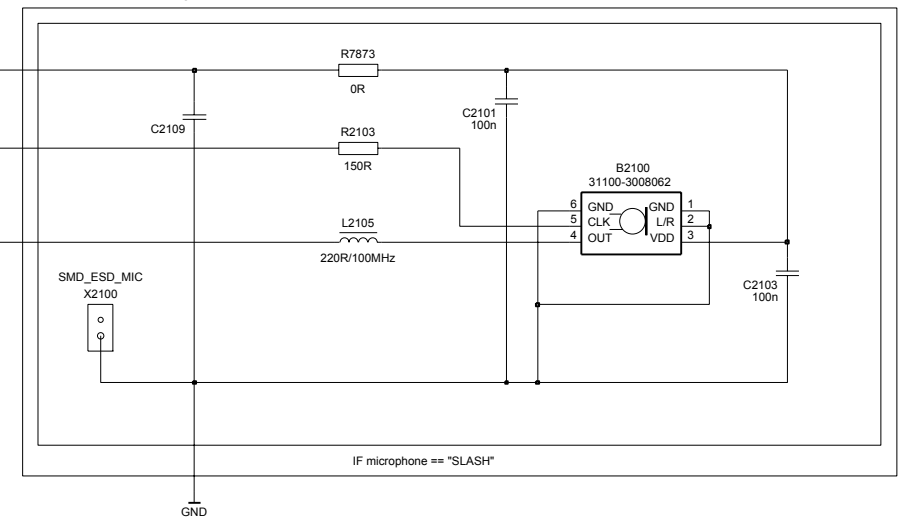
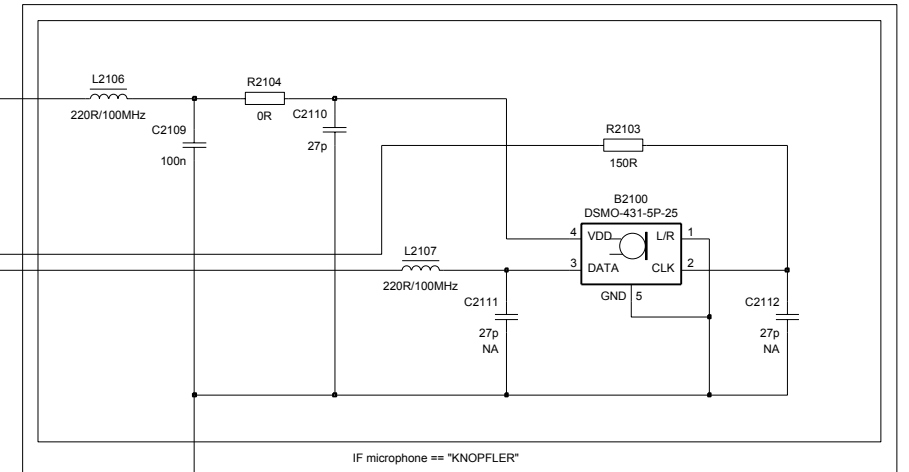
Name BATTERY CONNECTOR

# AUDIO



Updated MIC part number to 5140024 (Primary)

## Microphone

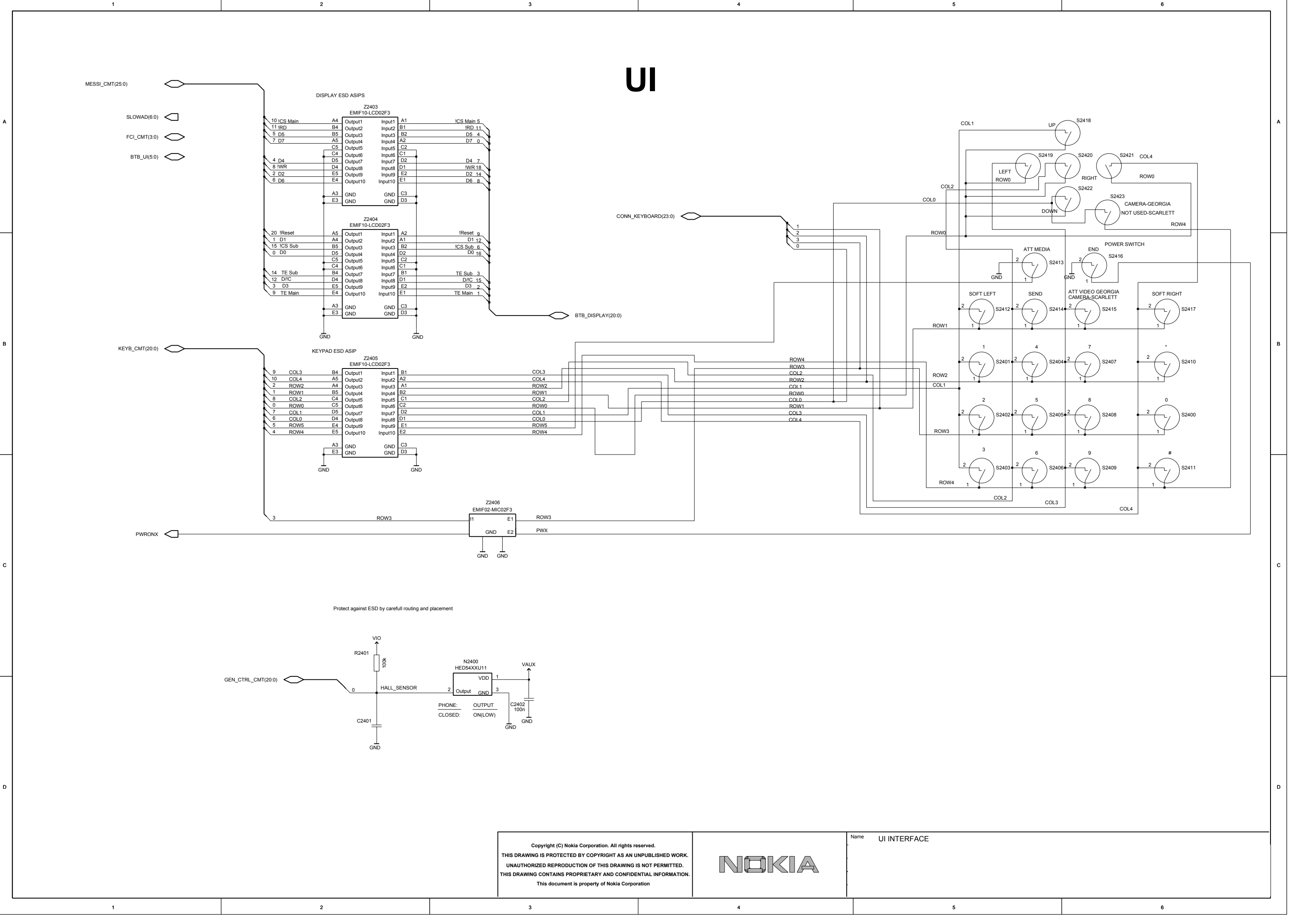


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Name AUDIO





# UI

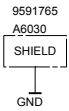
Protect against ESD by careful routing and placement

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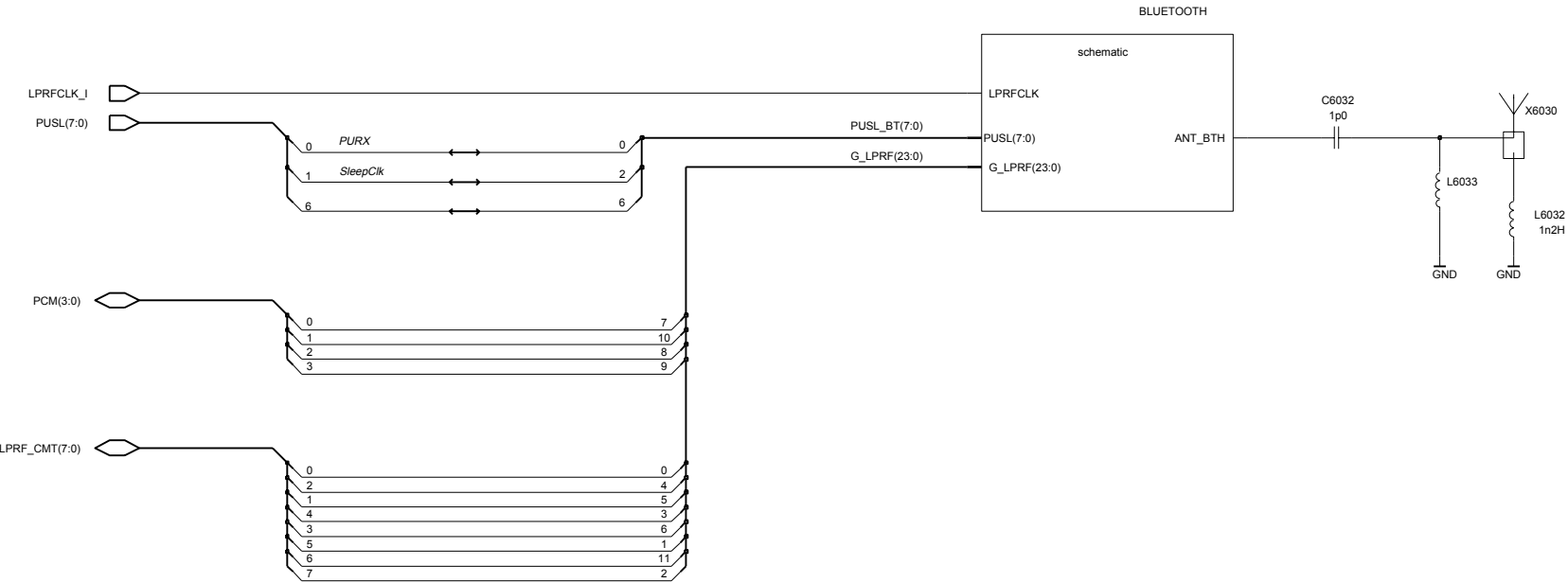


Name UI INTERFACE

# BLUETOOTH TOP LEVEL



*SHEET 10*

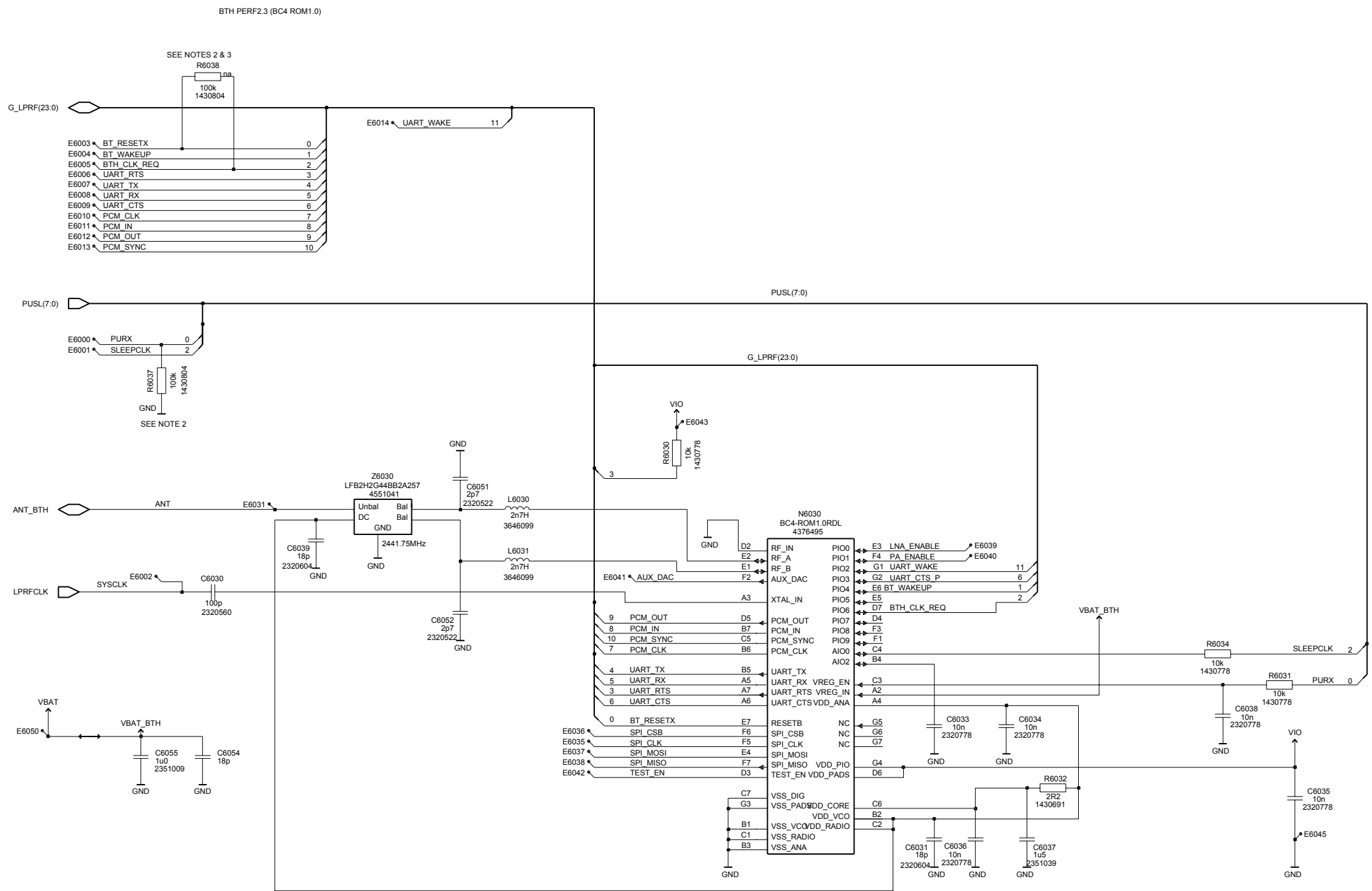


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Name BLUETOOTH

# BLUETOOTH



## Notes

(1) R6037 & R6038 may be located where convenient and do not have to be in the Bluetooth area.

(2) R6038 to be fitted if :-

(a) Host is running from different VCTCXO than BC4.

OR (b) BT\_RESETX line is being used to gate REF\_CLK for BC4.

For all other cases R6038 is Not Fitted.

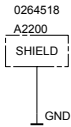
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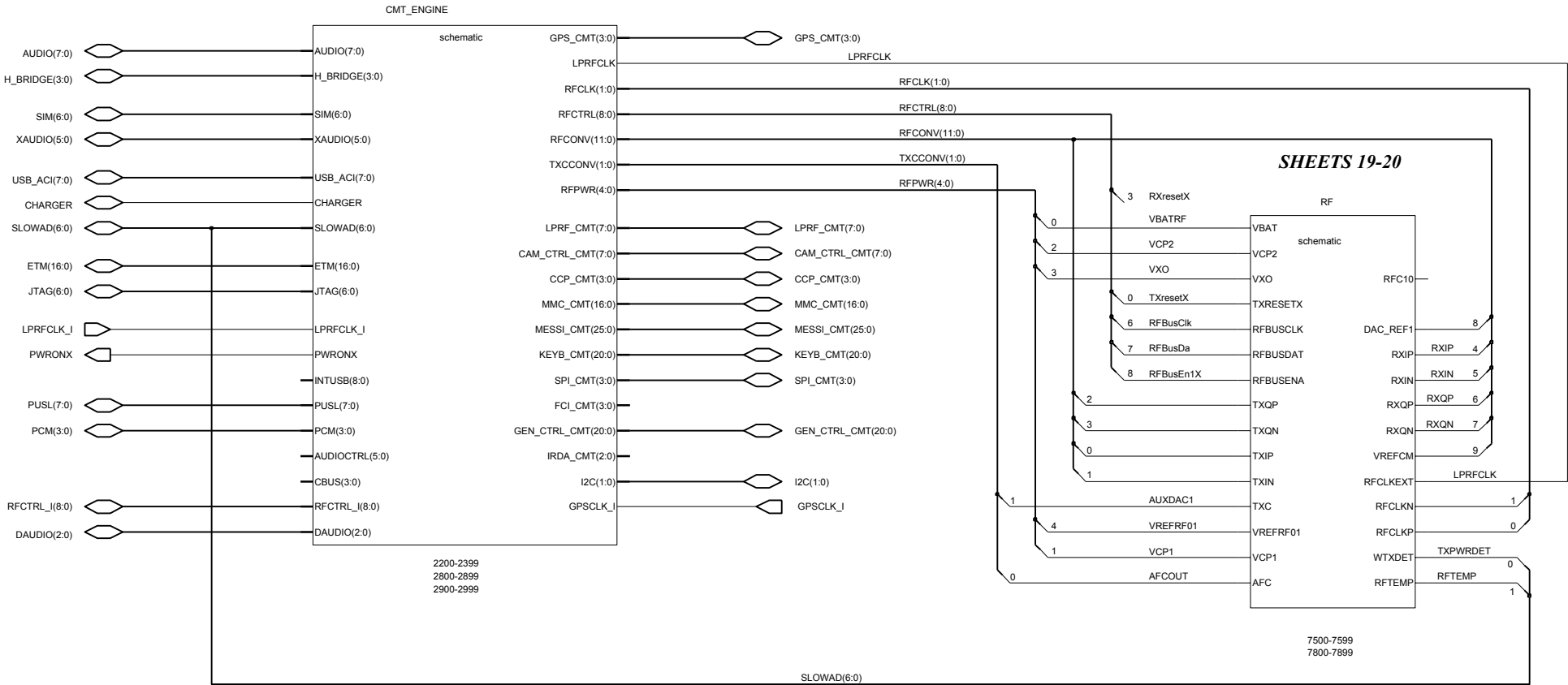
Name BTHPERF 2.3 (BC4 ROM1.0)

ENGINE

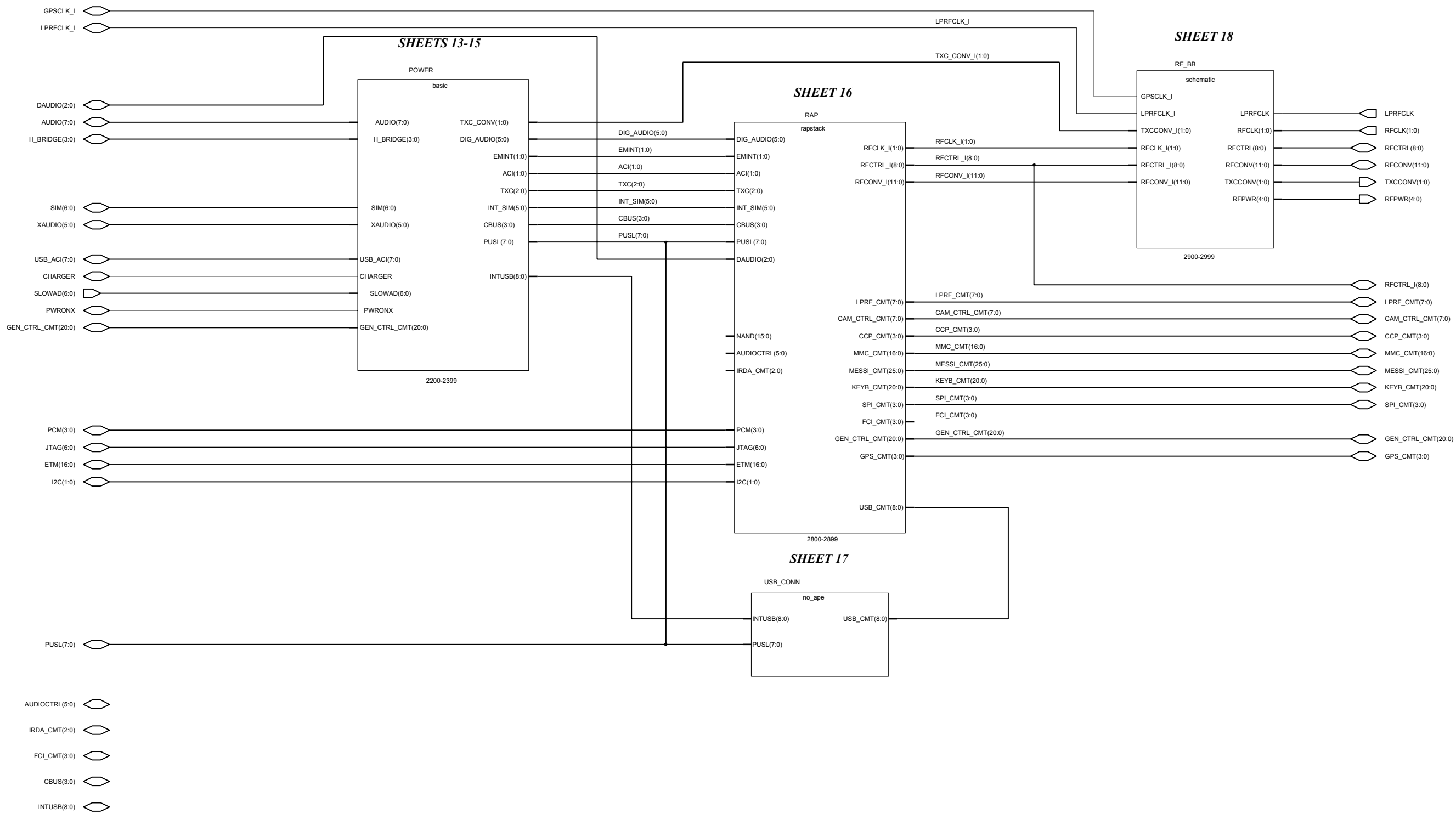
- FM\_CMT(2:0)
- UI\_CTRL\_CMT(4:0)
- LPRFCLK
- AUDIOCTRL(5:0)
- CBUS(3:0)
- FCI\_CMT(3:0)
- IRDA\_CMT(2:0)



SHEETS 12-18



# CMT ENGINE TOP LEVEL



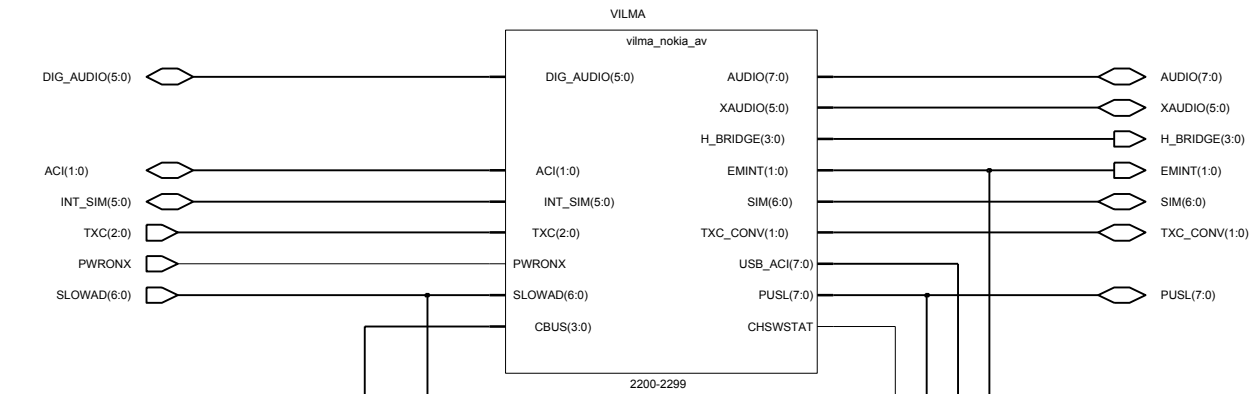
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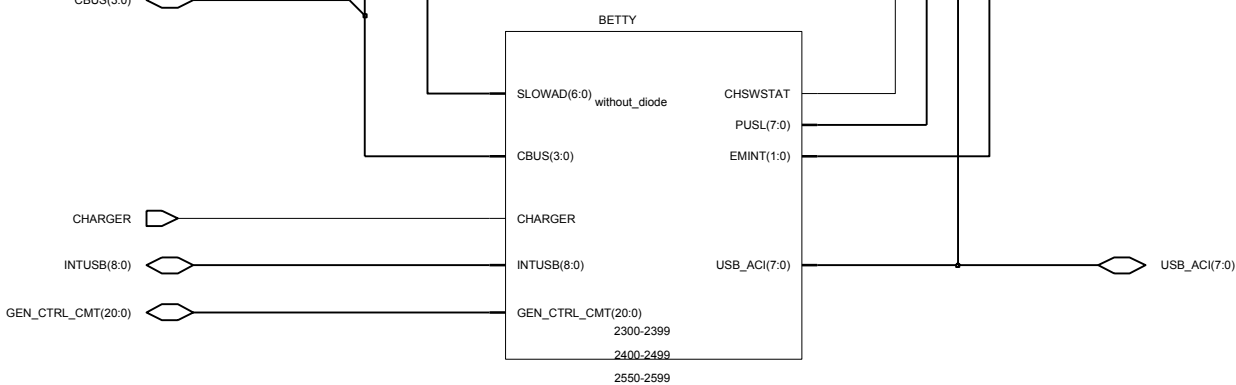
Name CMT\_Engine Top level

# POWER TOP LEVEL

SHEET 14

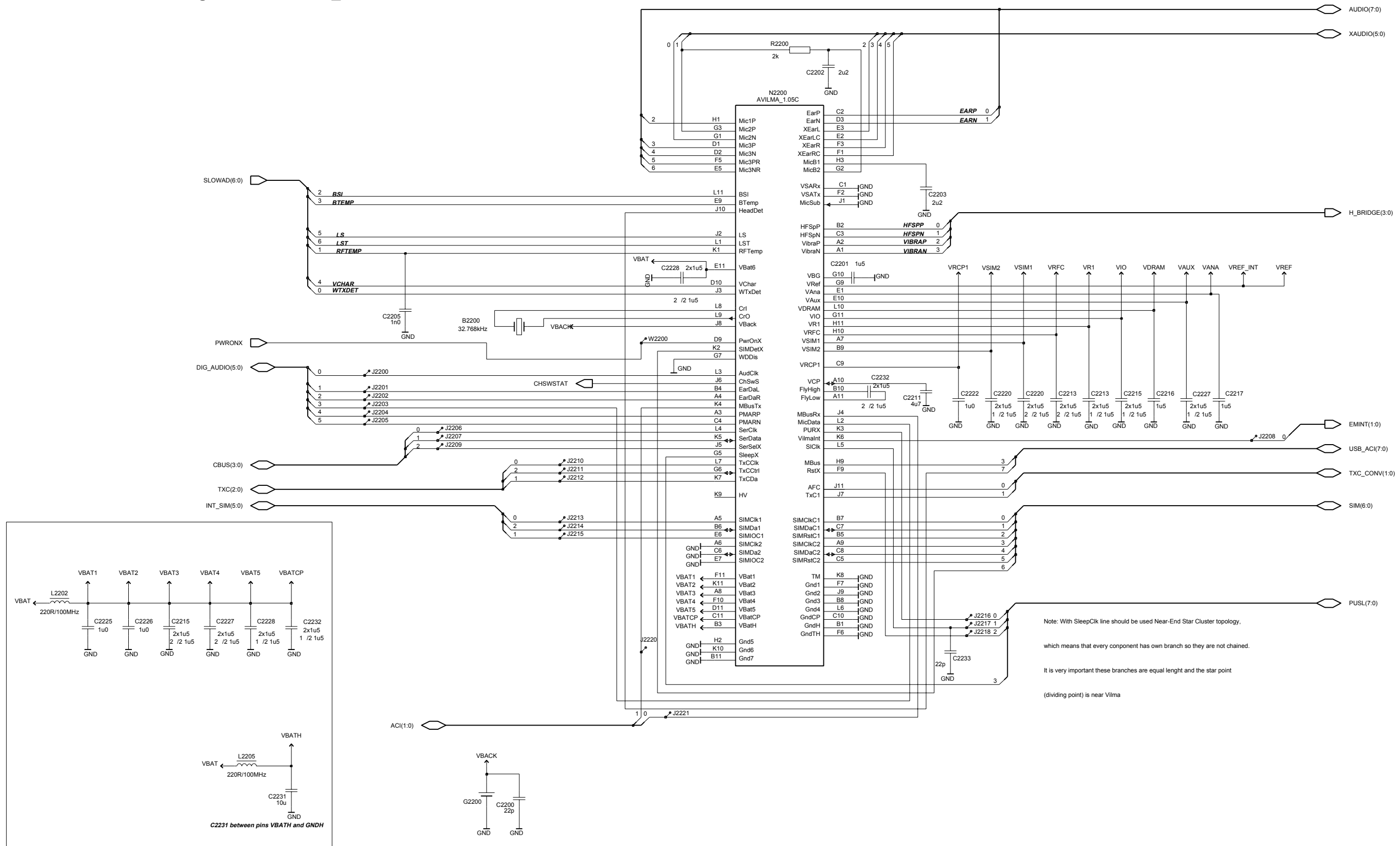


SHEET 15



# VILMA

***Use together with nokia\_av-sheet***



Note: With SleepCik line should be used Near-End Star Cluster topology,

which means that every component has own branch so they are not chained

It is very important these branches are equal lenght and the star point

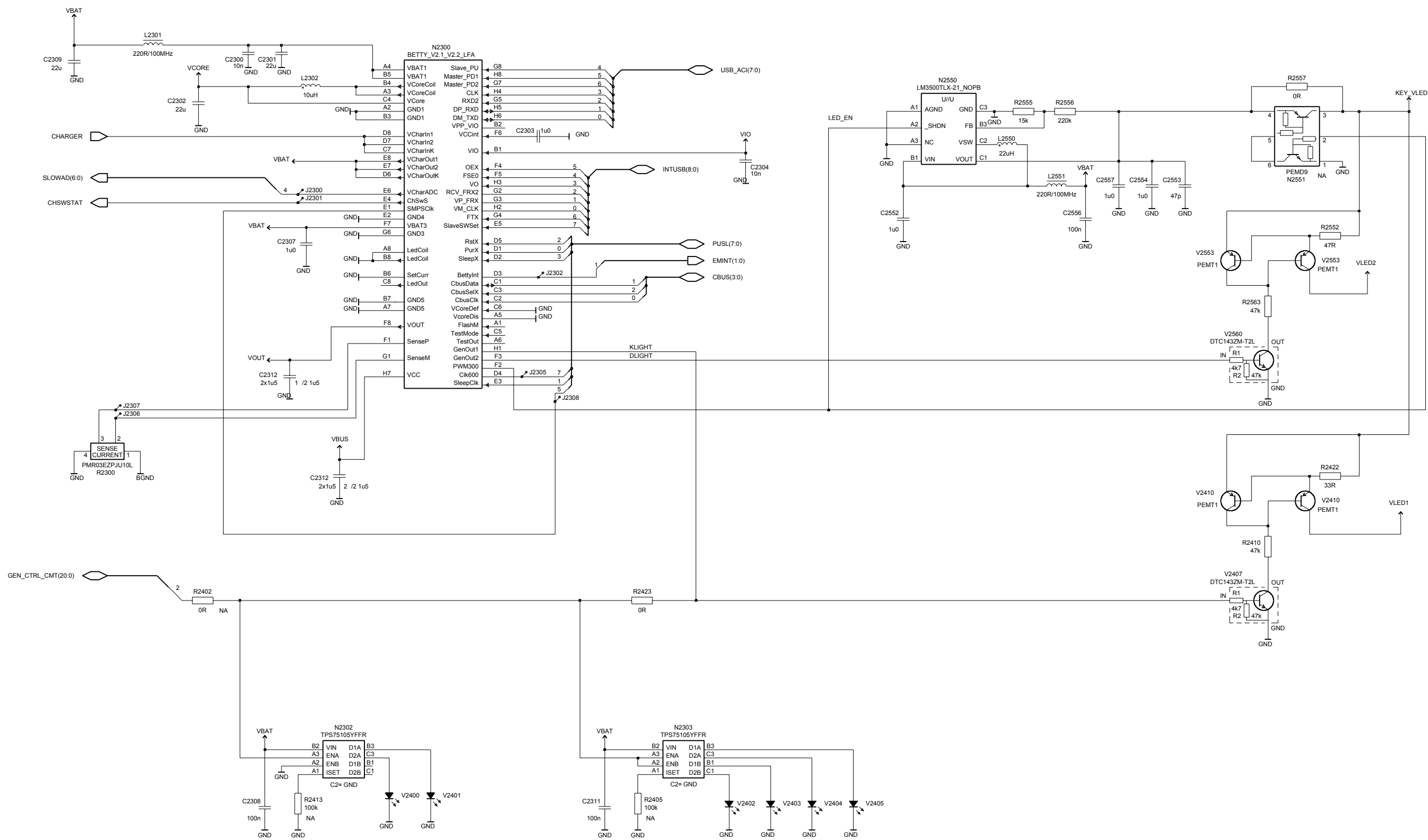
(dividing point) is near Vilma

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Name VILMA

# BETTY AND LED DRIVERS



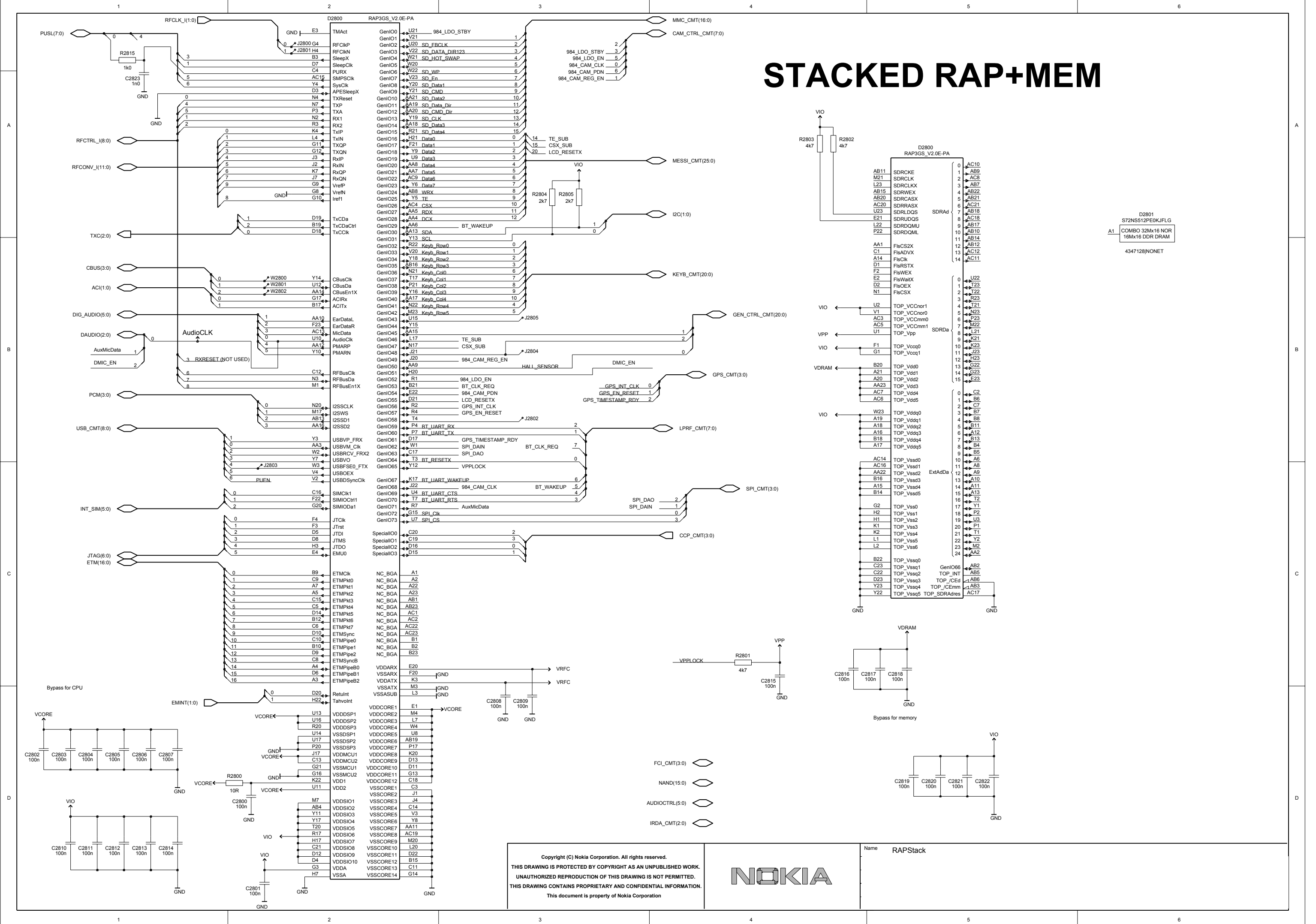
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Name BETTY, LED DRIVERS



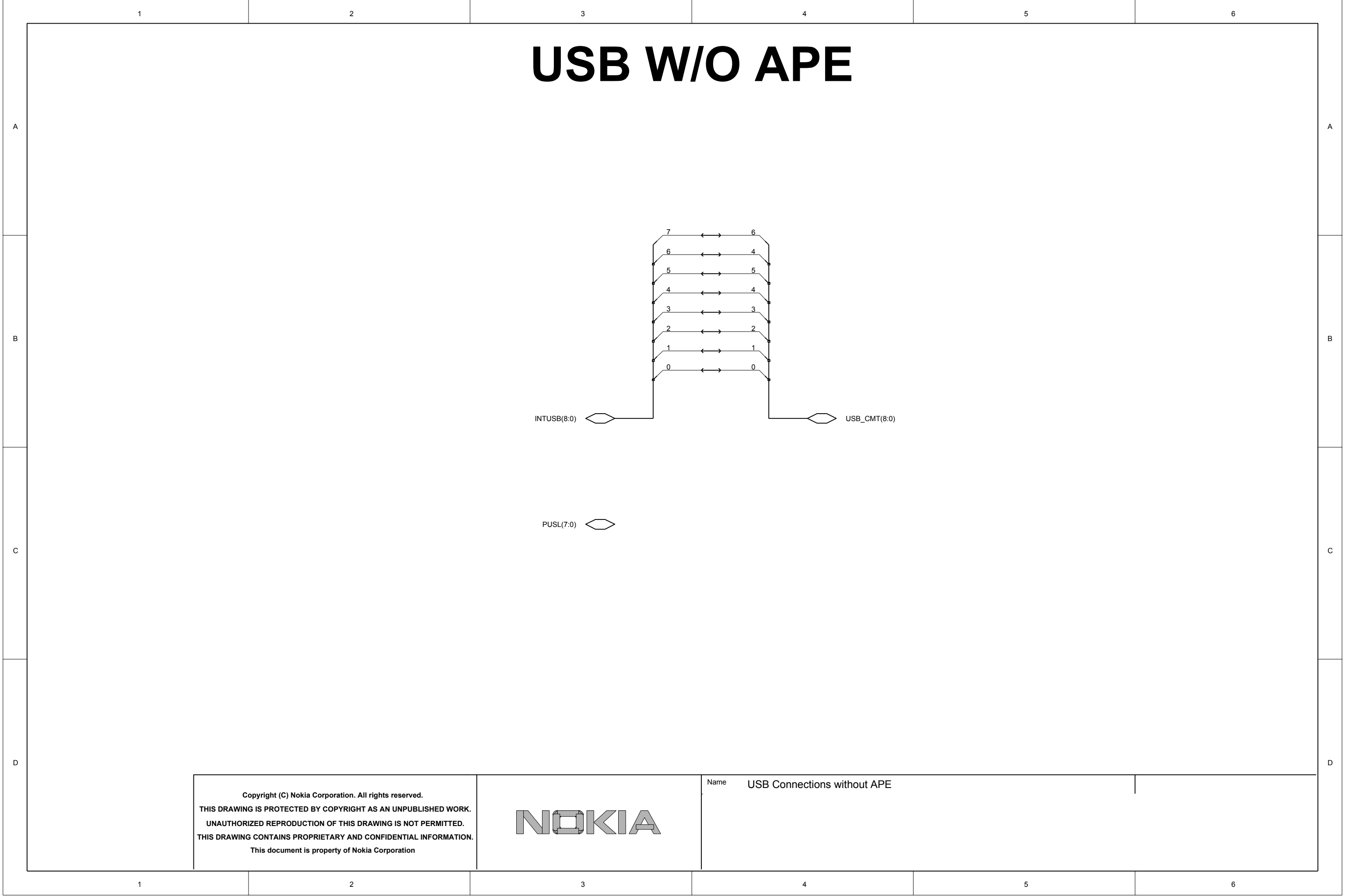
# STACKED RAP+MEM



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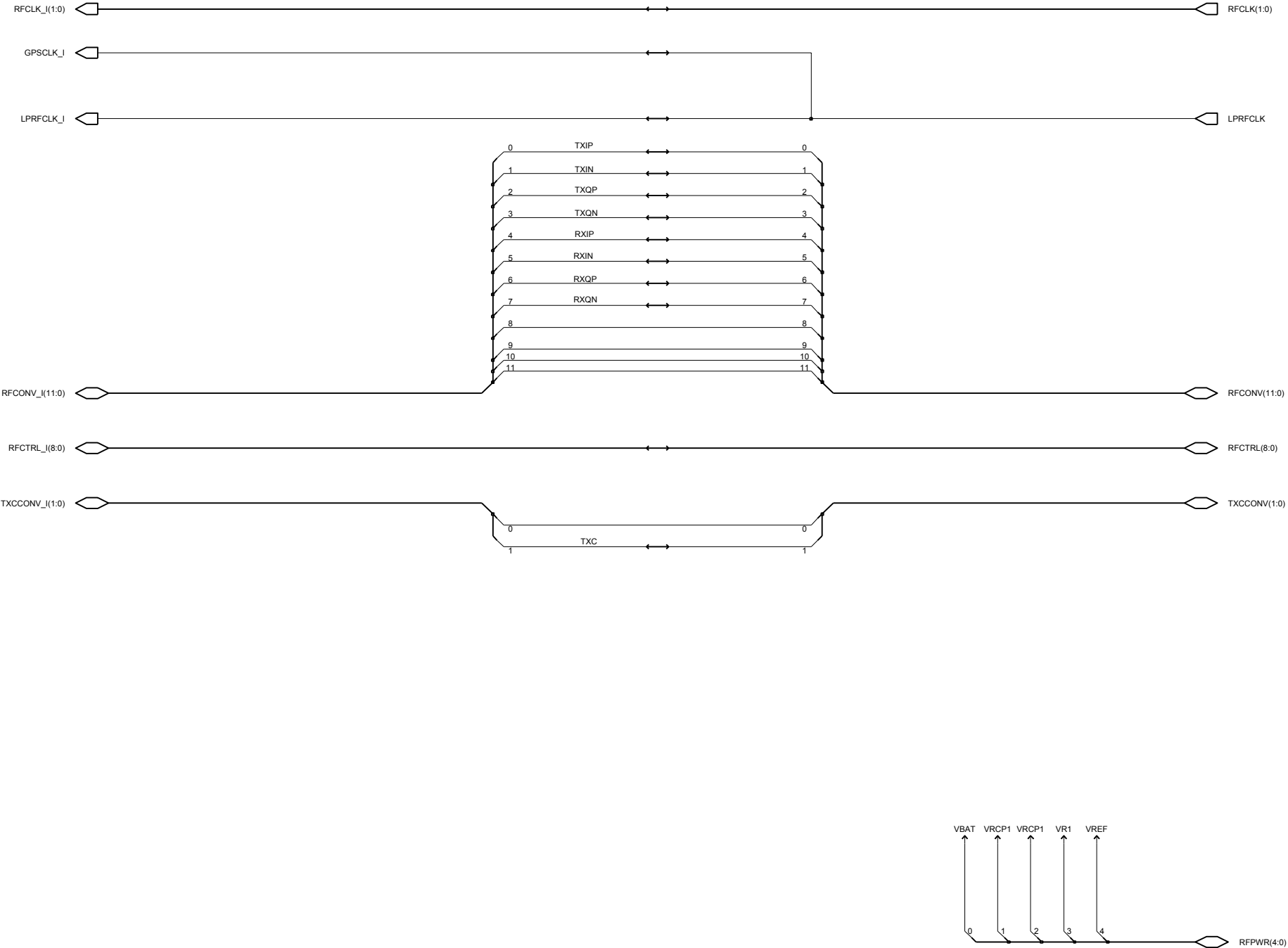
Name RAPStack



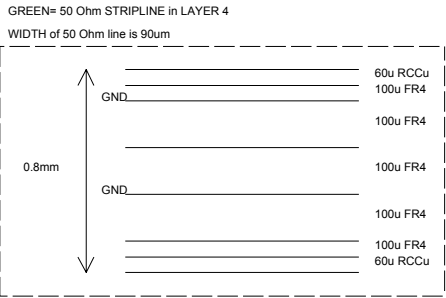
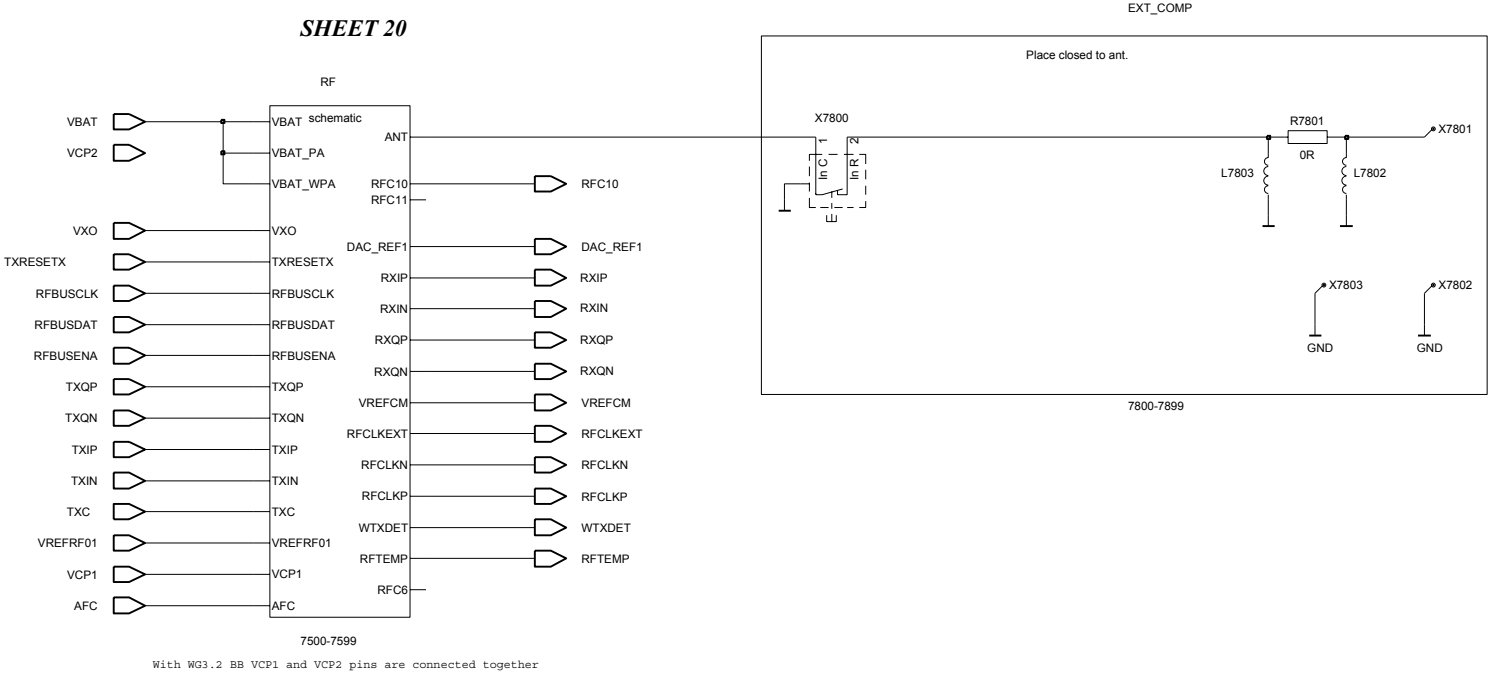
BB/RF IF

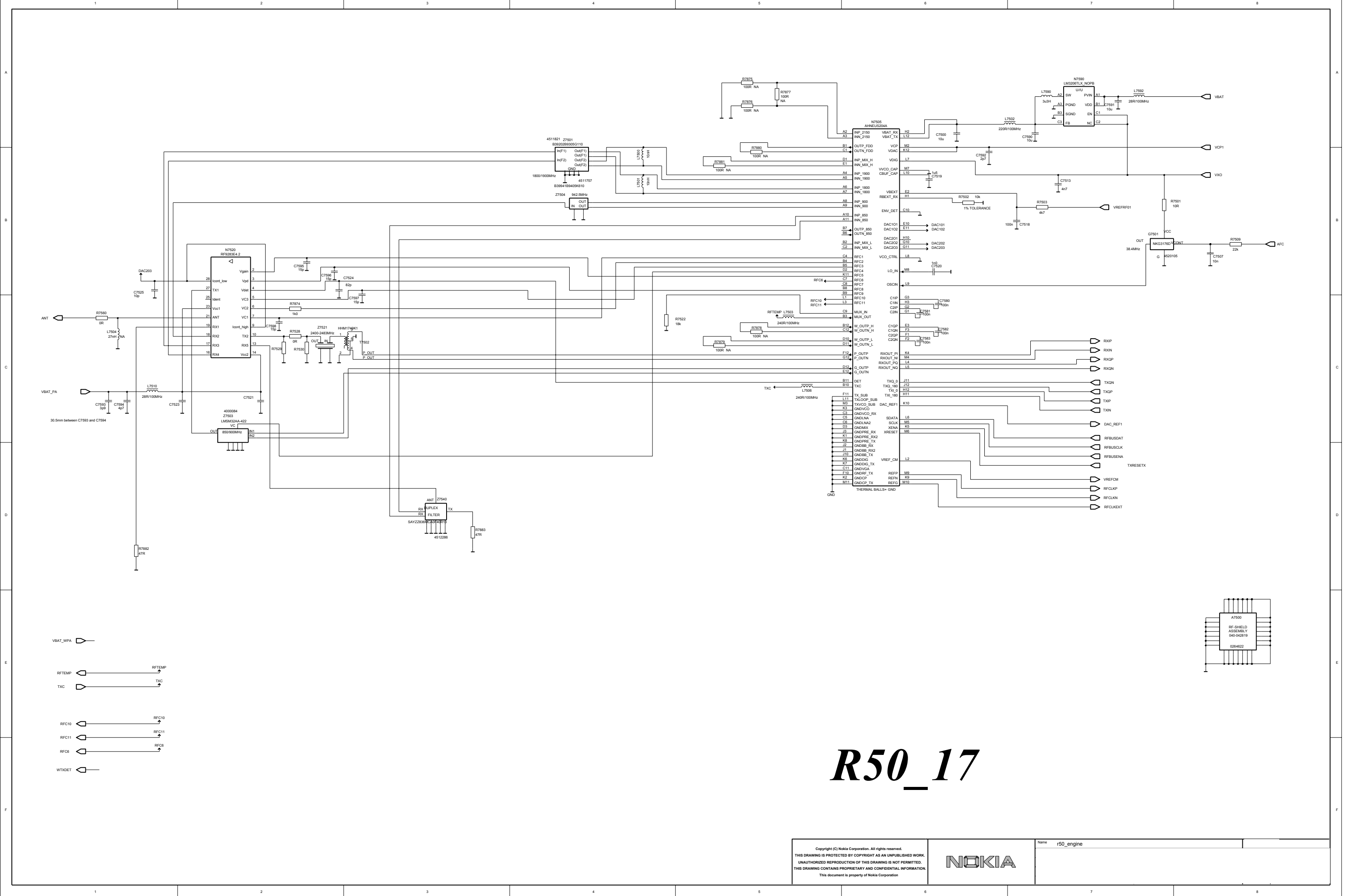
CBB5X

TOP SHEET



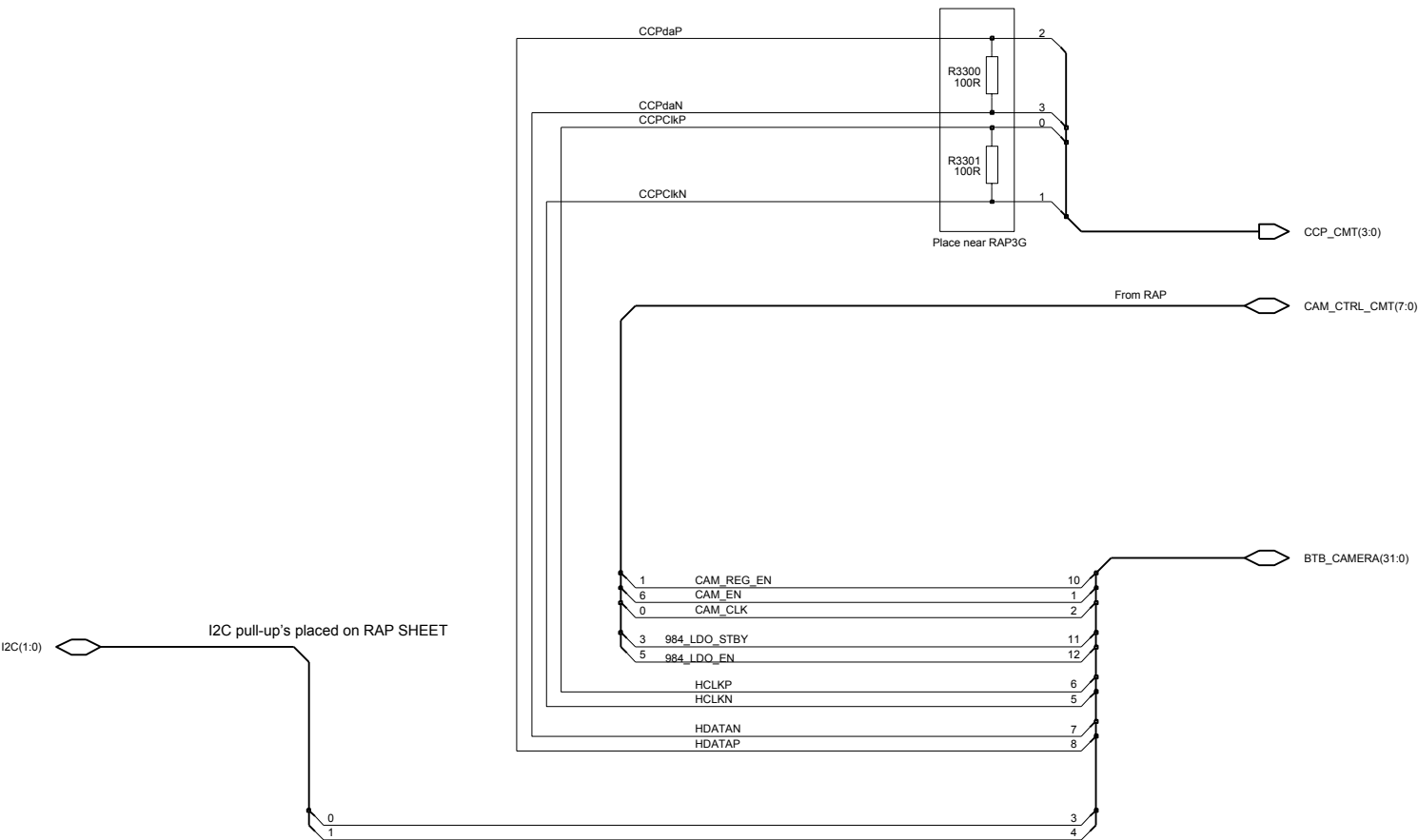
# RF TOP LEVEL



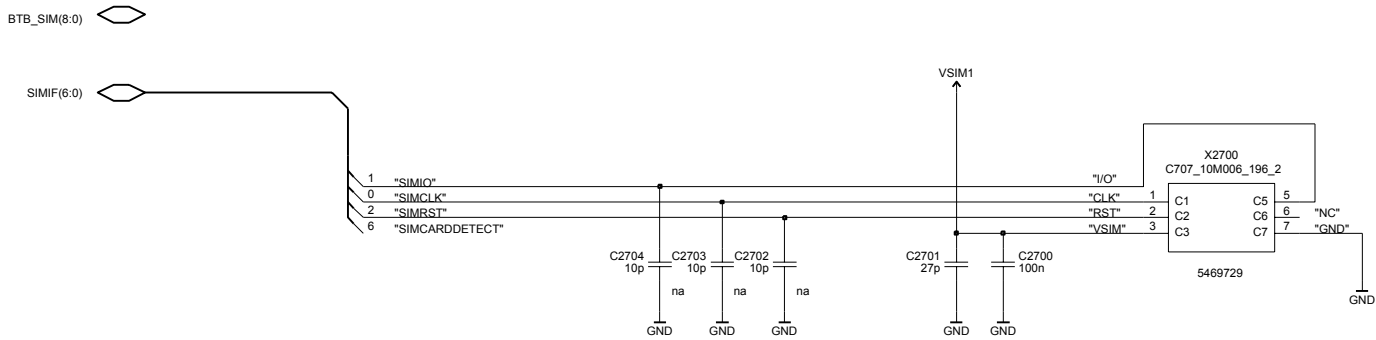


# CAMERA INTERFACE

- CONN\_CAMERA(19:0)
- CONN\_FLASH(15:0)
- SPI\_CMT(3:0)
- CCP(4:0)



SIM

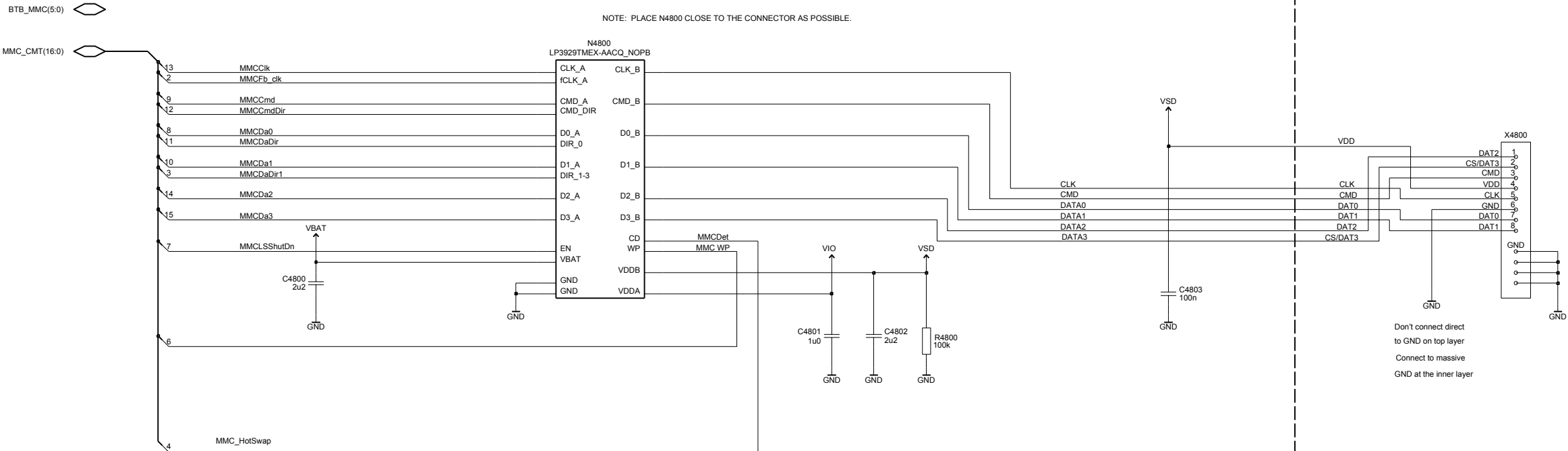


Route SIM\_CLK and SIM\_IO signals as striplines (EMC)

Use gnd to protect other signals (ESD)

Use together with Vilma

MICROSD





# EMULATOR PADS

